PDR RID Report

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Document	FOS Design Specification		

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Review FOS
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Priority 2

Section 6.1.3.11 **Page** 6-32 **Figure Table** NA

Category Name Design **Actionee** HAIS

Sub Category

Subject Real Time Server Failover Scenario

Description of Problem or Suggestion:

This scenario states that the user will be alarmed by the system when the real time server fails. What is not clear is how the alarm will be generated and detected if the Resource Management module resides in the Real Time Server. Also explain the rationale for including the Resource Management module in the Real Time Server along with the Telemetry, Command, and Real Time Contact functions. There seems to be an excess number of critical functions assigned to one server.

Originator's Recommendation

Expand on the failover scenario and indicated the rationale for including the resource management function in the real time server rather than on a separate server.

GSFC Response by: **GSFC Response Date**

HAIS Response by: D. Herring **HAIS Schedule** 1/13/95

HAIS R. E. D. Dunn **HAIS Response Date** 1/26/95

Redundant Real-Time Servers (RTS) are configured within the EOC to facilitate failure recovery of a single RTS. The Resource Management Subsystem (RMS) resides on both RTSs, allowing either RTS to detect and alert users of the failure of a hardware component. Additionally, part of the RMS resides on each User Station, therefore any given User Station will be capable of detecting loss of communications with a given RTS. Section 6.1 of the FOS Design Specification provides more detail on the preliminary design of the Resource Management Subsystem. The 1/31 version of the FOS Design Specification will include a description of the User Station component of RMS.

Section 9.3.3 of the FOS Design Specification provides the rationale for the FOS real-time architecture, including the distribution of functionality to hardware components.

Status **Closed** **Date Closed** **2/1/95** **Sponsor** **Johns**

****** **Attachment if any** ******